

Roboze One +400 XTREME



DIMENSIONS	External	(X)550 x (Y)650 x (Z)890 mm / 21.7x25.6x35.0 in	
	With Cabinet	(X)800 x (Y)700 x (Z)1890 mm / 31.5x27.6x74.4 in	
	Build Volume	(X)300 x (Y)250 x (Z)220 mm / 11.8x9.8x8.7 in	
	Shipping Box	(X)1020 x (Y)930 x (Z)2100 mm / 40.2x36.6x82.7 in	
	Weight	300 Kg / 660 lb	
ACCURACY	XY: 15 µm/590.55 µin	Z: 25 µm/984.25 µin	
RESOLUTION	Quality Profile: 0.18 mm/0.007 in	Speed Profile: 0.24 mm/0.009 in	
PRINT SPEED	4000 mm/min - 157 in/min		
ELECTRONICS	Stepper Motors with High Resolution Encoders		
	Stepper Driver with heat sinks		
	5" Display touch screen		
	Maximum Power Absorbed: 2300 W		
	Temperature sensors in the extruder and the building plate		
	Build plate heated up to 150°C/302°F		
	200 to 240 V AC (±10% max), 50/60 Hz		

MATERIALS

PEEK	PP	FUNCTIONAL-NYLON	STRONG-ABS	ABS-ESD
CARBON PEEK	CARBON PA	FLEX-TPU	ULTRA-PLA	

EXTRUDER MECHANICS

High thermal efficiency extruder block with 1 extruder

Extrusion temperature up to 450°C/842°F

Tip2-B - 0,4 mm/0.016 in

Tip2-HA - 0,4 mm/0.016 in

Tip3-HSA - 0,4 mm/0.016 in (HVP)

Compressed air cooling system for HVP extruder

GENERAL MECHANICS

Electro-galvanized steel frame and cover

C50 hardened and chromed steel brass for X and Y supports

High precision ball sleeves for X and Y linear motion

Mechatronic movement of X and Y axes with C5 hardened helical rack and pinion

C7 ball screw nut seat with aluminum flexible spider shaft coupling to absorb vibrations from Z motor

Mobile components and aluminum supports from CNC mechanical precision machining

Vacuum system for the adhesion of the polymeric films

Build plate auto-levelling

Integrated HT Dryer up to 120°C/248°F with automatic filament loading

Auxiliary pneumatic system

CONTENT

USB flash drive	3,0 mm (1/8") key wrench
Thickness gauge	Screwdriver
Safety goggles	Blister of Grease
Safety gloves	Panel key
Metallic spatula	Nipper

SLICING SOFTWARE

Simplify3D

COMMUNICATIONS

Wi-fi & Ethernet connection

USB output type B

EMEA HEADQUARTERS

Roboze SPA

Via Vincenzo Aulisio 31/33 70124 Bari - Italy

USA HEADQUARTERS

Roboze INC

7934 Breen Drive, Houston Texas 77064, United States